

# Notice of Allowability

Application No.

10/008,428

Examiner

Katarzyna Wyrozebski Lee

Applicant(s)

DONTULA ET AL.

Art Unit

1714

## -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 12/08/2003.
2. ☒ The allowed claim(s) is/are 1-46.
3. ☒ The drawings filed on 13 November 2001 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All    b) ☐ Some\*    c) ☐ None    of the:
  1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
  - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
    - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
  - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

### Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08),  
Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413),  
Paper No./Mail Date 0204.
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_.

Katarzyna Wyrozebski Lee  
Primary Examiner  
Art Unit: 1714

### EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mrs. Lynn Blank on February 17, 2004.

The application has been amended as follows:

Claim 21, lines 5 and 6 delete terms "derivative of"

#### Specification

Please replace the paragraph beginning at page 1, line 4 with the following re-written paragraph:

--Reference is made to commonly assigned, co-pending U.S. Patent Applications:

Publication number 2003/0099815 by Dontula et al. filed of even date herewith entitled "Ethoxylated Alcohol Intercalated Smectite Materials and Method"; Publication Number 2003/0100656 by Majumdar et al filed of even date herewith entitled "Smectite Clay Intercalated with Polyether Block Polyamide Copolymer"; and Publication number 2003/0100655 by Nair filed of even dated herewith entitled "Polyester Nanocomposites", the disclosures of which are incorporated herein.--

### REASONS FOR ALLOWANCE

1. The following is an examiner's statement of reasons for allowance:

In the amendment filed on 12/8/2003 the applicants have amended claims to require an imaging member that comprises matrix polymer and clay and wherein clay is intercalates with block polymer containing hydrophilic block compatible with clay and hydrophobic block compatible with polymer matrix. According to the different independent claims the block copolymer can have either two or three blocks.

The prior art of FISHER (US 6,579,927) as applied against present claims discloses nanocomposite that can be molded. The nanocomposite comprises matrix polymer and clay intercalated with block polymer. The block polymer of FISHER comprises hydrophilic block compatible with clay and hydrophobic block compatible with polymer matrix. The prior art of FISHER does not teach or suggest making imaging members.

In addition to the rejection of the prior art of FISHER, applicant's properly filed terminal disclaimed obviated Double Patenting rejection over co-pending application 10/008,810. In view of the above discussion, pending claims 1-7 and 8-46 are passed to issue.

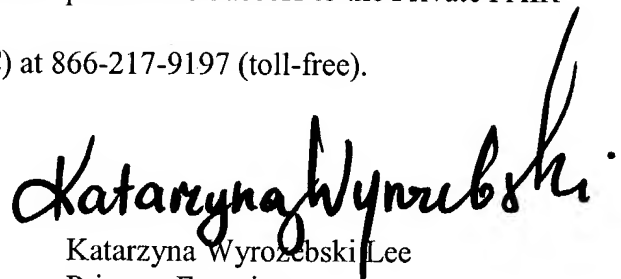
Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Art Unit: 1714

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Katarzyna Wyrozebski Lee whose telephone number is (571) 272-1127. The examiner can normally be reached on Mon-Thurs 6:30 AM-4:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Vasu Jagannathan can be reached on (571) 272-1119. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

  
Katarzyna Wyrozebski Lee  
Primary Examiner  
Art Unit 1714

kiwl  
Feb 17, 2004